

**Cat IgG (H&L) Goat Polyclonal**  
ATS-SELECT SECONDARY ANTIBODY

**Catalog Number:** AS-163  
**Quantity:** 2 milligrams  
**Format:** IgG, Liquid (sterile filtered)  
**Host:** Goat  
**Immunogen:** Cat IgG whole molecule

**Background:** Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. Anti-Cat IgG (H&L) antibody is ideal for investigators in Immunology, Cancer, and Microbiology research.

**Specificity & Preparation:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Cat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Cat IgG and Cat Serum.

**Usage:** Anti-Cat IgG antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.  
ELISA 1:20,000 - 1:100,000  
Immunohistochemistry 1:1,000 - 1:5,000  
Western Blot 1:2,000 - 1:10,000  
Working dilutions must be determined by end user.

**Storage:** Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

*To view protocol(s) for this and other products please visit: [www.ATSBio.com/library/protocols](http://www.ATSBio.com/library/protocols)*